

APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

FIG.1  
Background Art

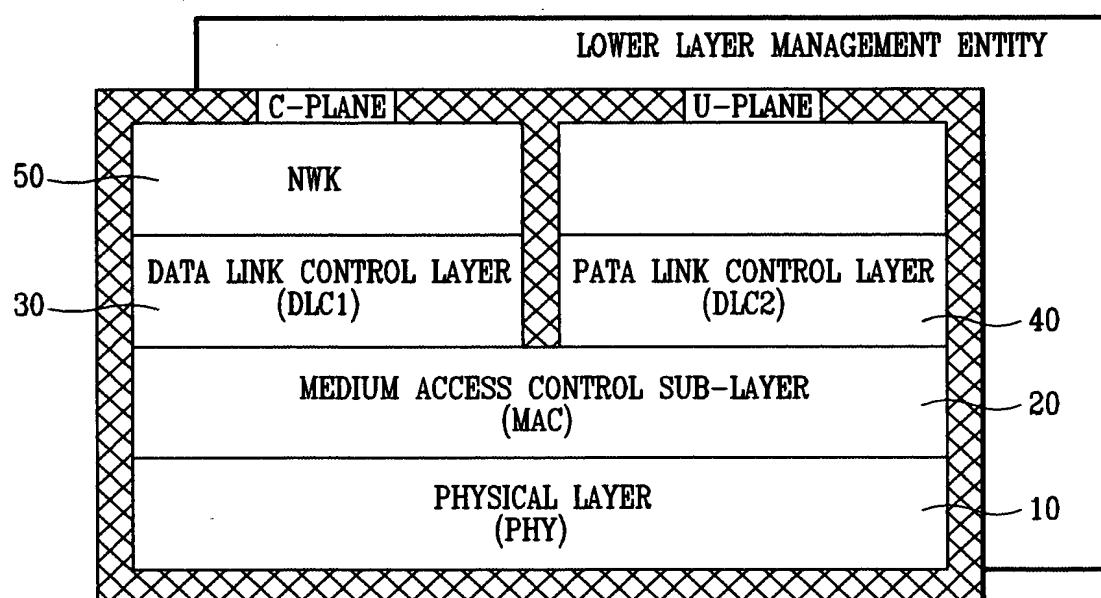
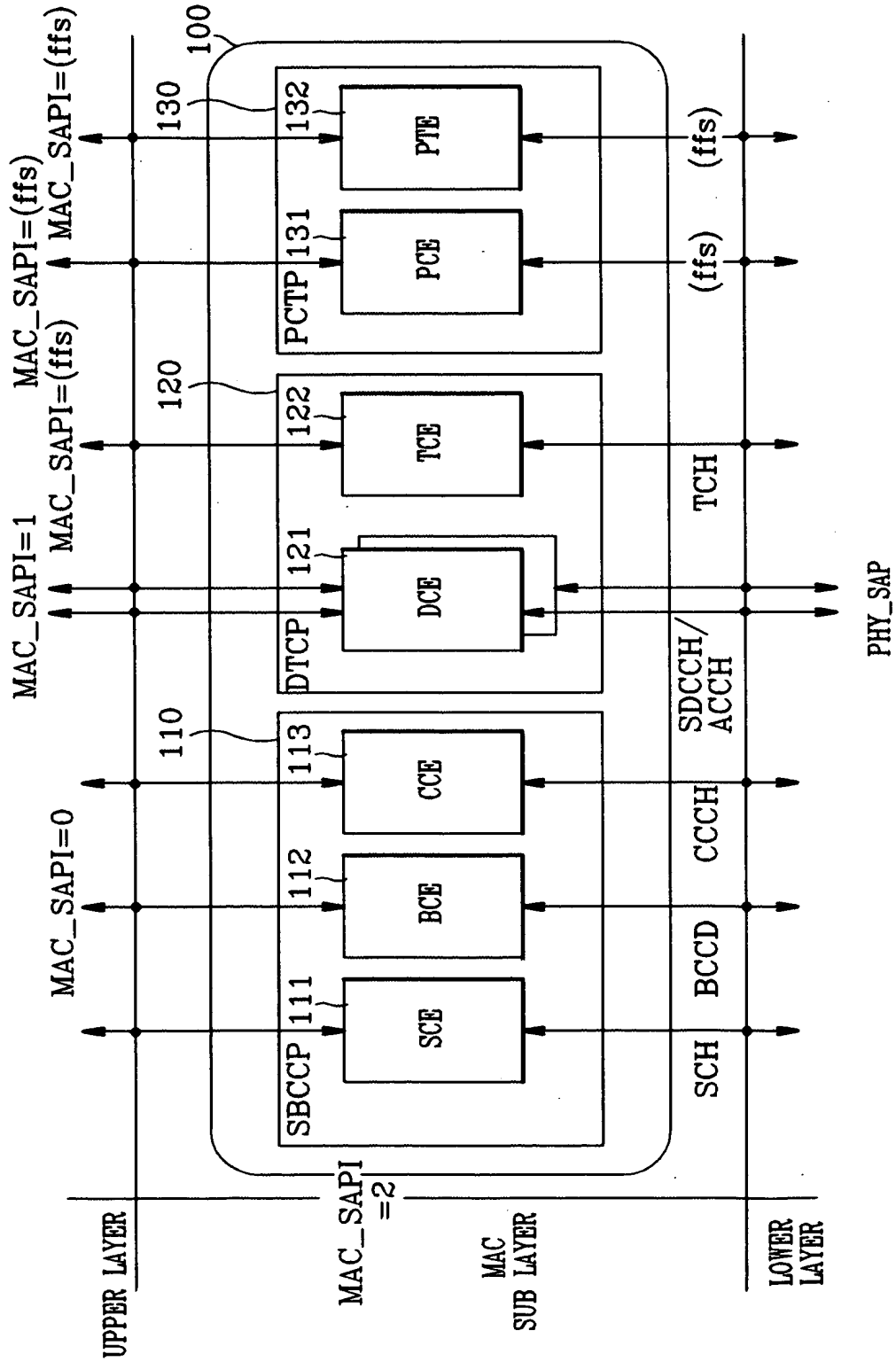




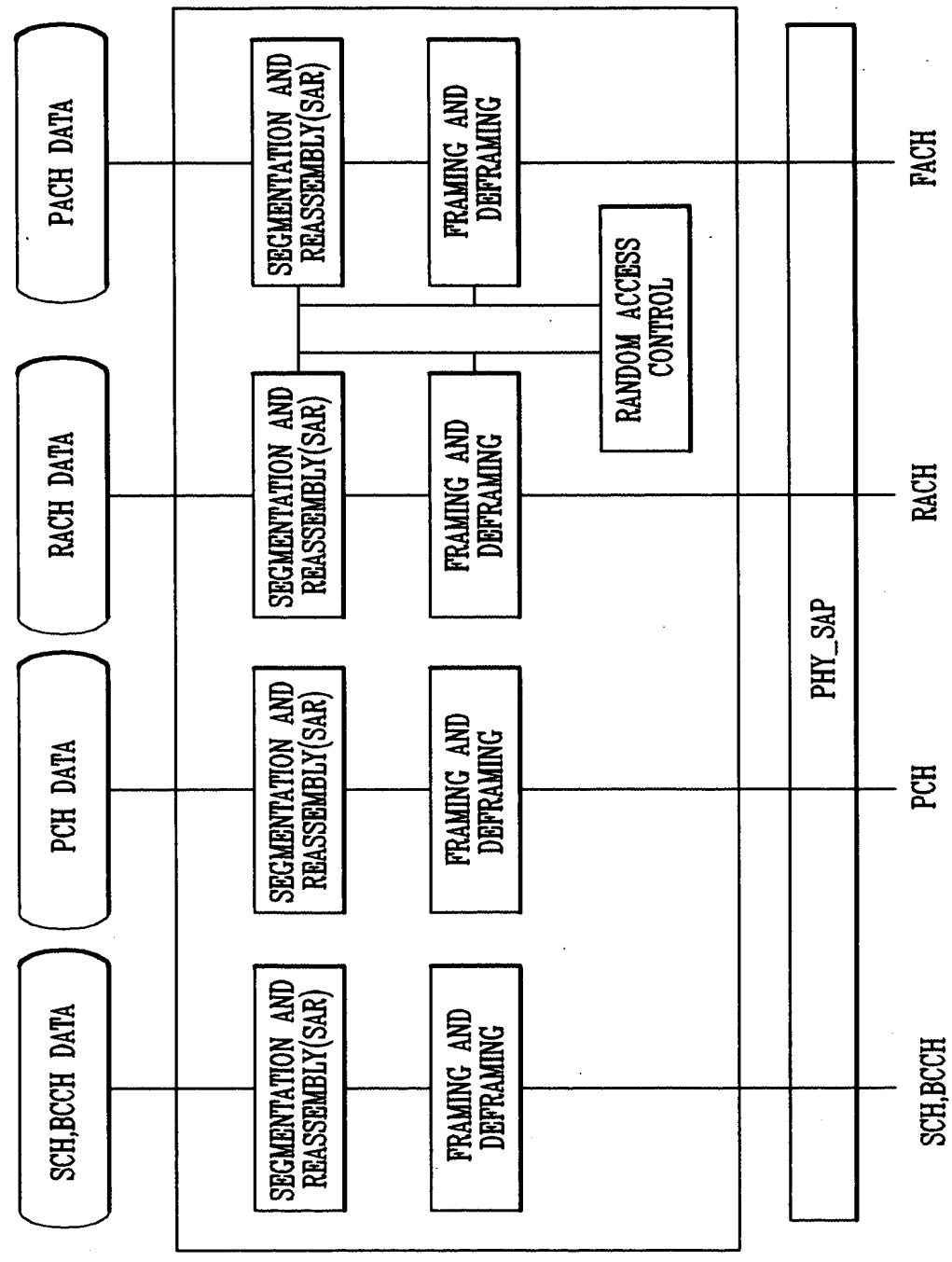
FIG.3



:: SERVICE ACCESS POINT

001210 81542260

FIG.4



APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

FIG.5

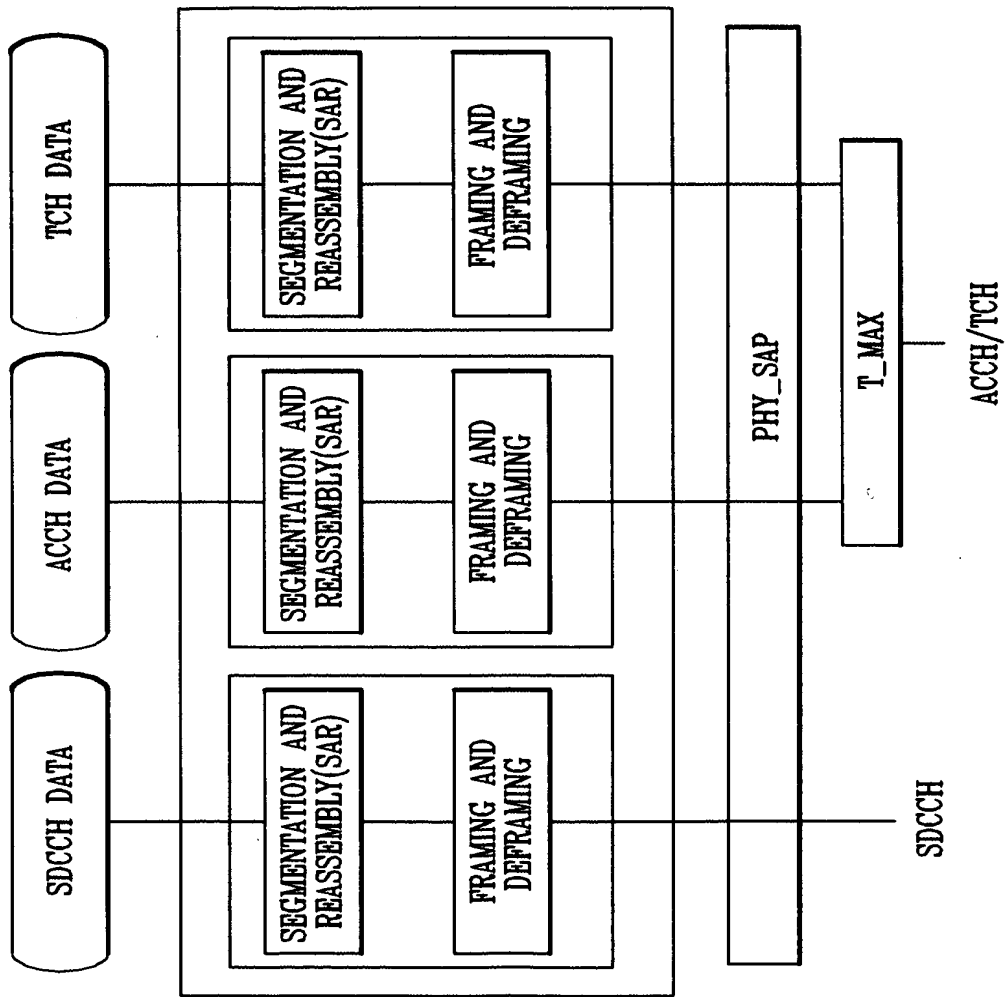


FIG. 6

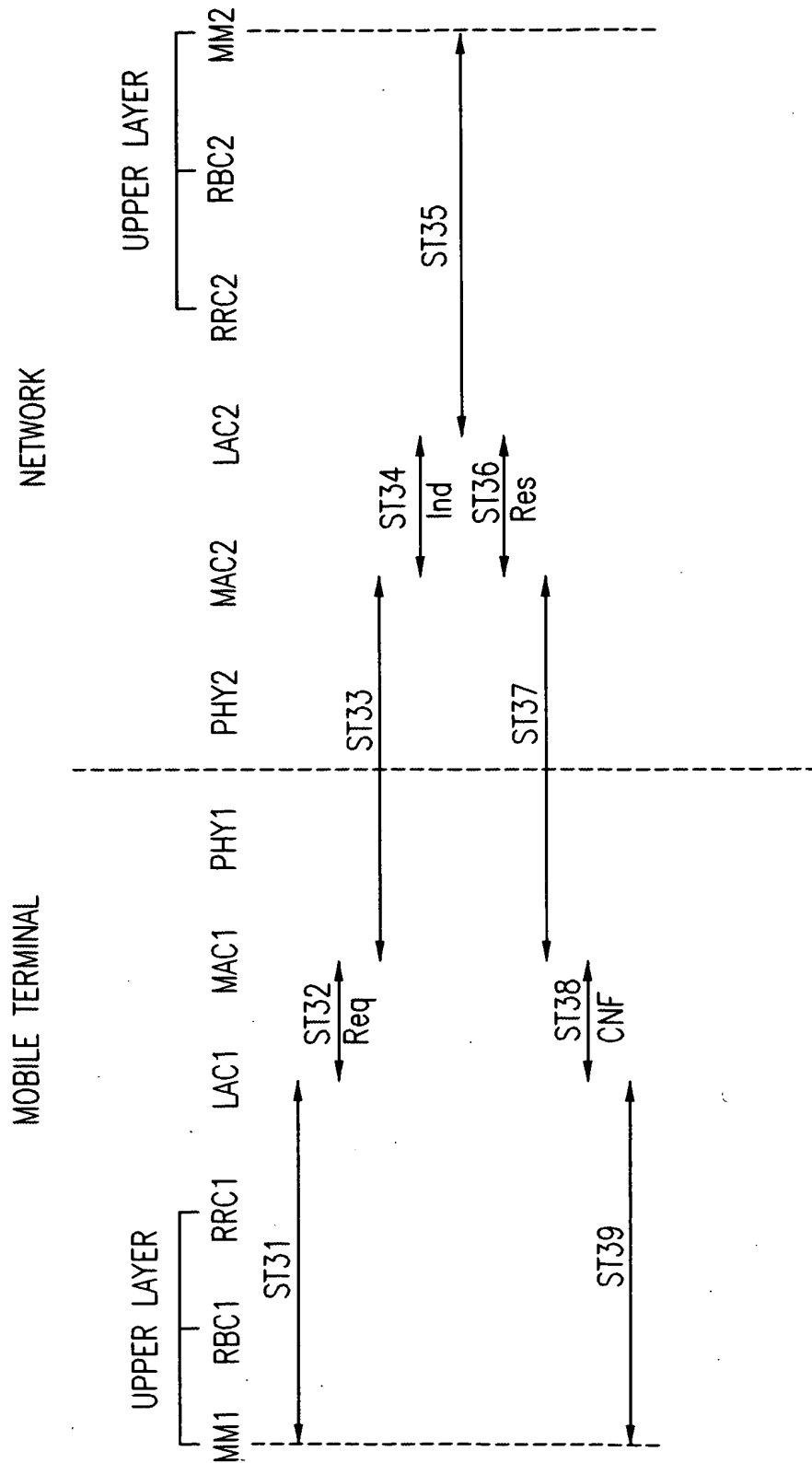
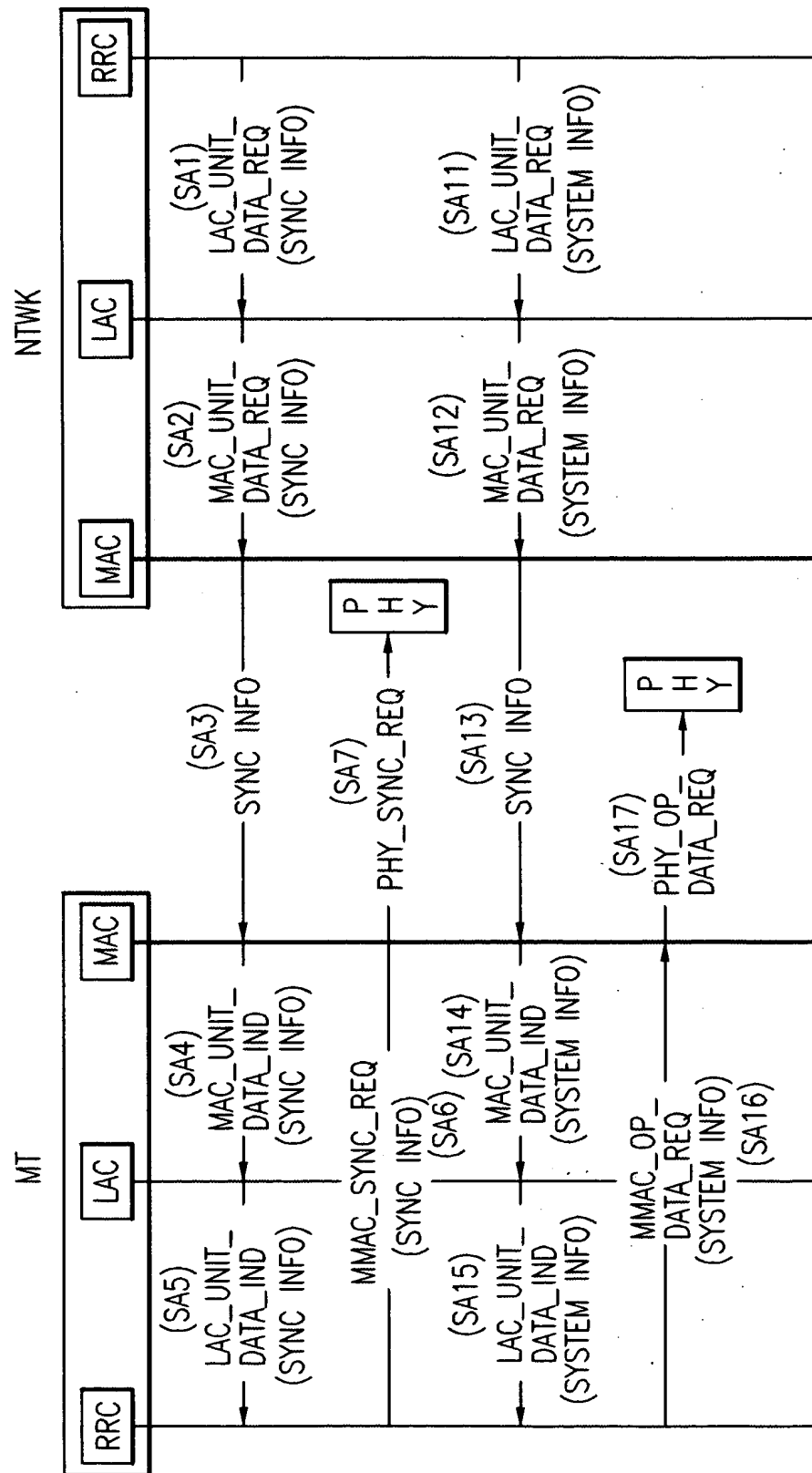


FIG. 7A



The diagram illustrates the channel request procedure between the MT (Mobile Terminal) and the NTWK (Network). The MT consists of LAC, MAC, and PHY layers, while the NTWK consists of PHY, MAC, and LAC layers.

**Sequence of Events:**

- (SB1)** MT LAC sends **MAC\_ACC\_REQ** to MT MAC.
- (SB2)** MT MAC sends **PHY\_UNIT\_DATA\_REQ (CHANNEL REQUEST)** to MT PHY.
- (SB3)** MT PHY sends **CHANNEL REQUEST** to NTWK PHY.
- (SB4)** NTWK PHY sends **PHY\_UNIT\_DATA\_IND (CHANNEL REQUEST)** to NTWK MAC.
- (SB5)** NTWK MAC sends **MAC\_ACC\_IND** to NTWK LAC.
- (SB6)** NTWK LAC sends **PHY\_UNIT\_DATA\_REQ (CHANNEL REQUESTACK)** to NTWK PHY.
- (SB7)** NTWK PHY sends **CHANNEL REQUEST ACK** to MT PHY.
- (SB8)** MT PHY sends **PHY\_UNIT\_DATA\_IND (CHANNEL RESPONSE)** to MT MAC.
- (SB9)** MT MAC sends **MAC\_ACC\_RSP** to MT LAC.
- (SB10)** MT LAC sends **MAC\_ACC\_CNF** to MT MAC.
- (SB11)** MT MAC sends **PHY\_UNIT\_DATA\_IND (CHANNEL RESPONSE)** to MT PHY.
- (SB12)** MT PHY sends **CHANNEL RESPONSE** to NTWK PHY.

**Control Flow:**

- The procedure starts with **Start RA** (Random Access).
- The procedure ends with **Stop RA** (Random Access).



FIG. 7C

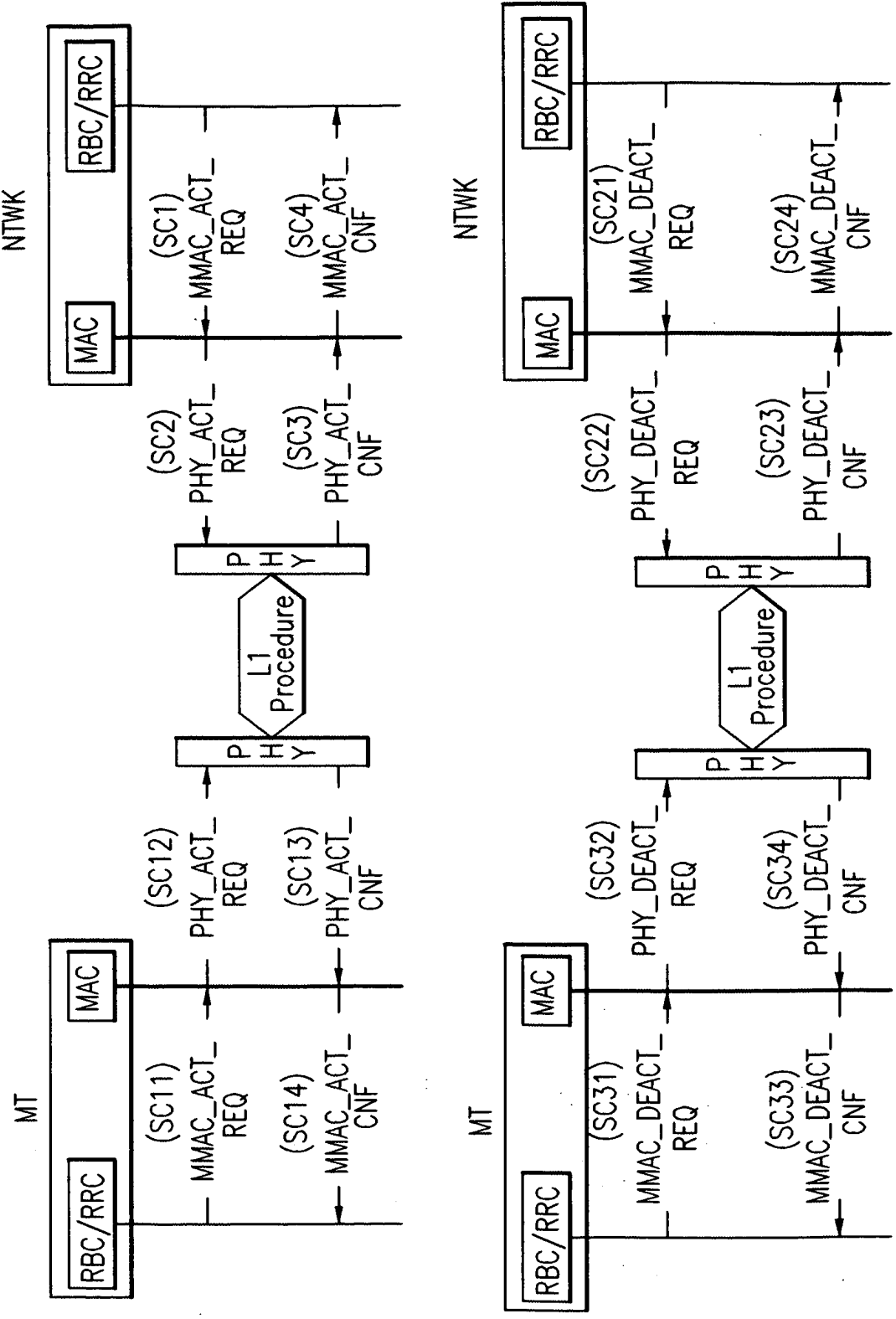


FIG. 7D

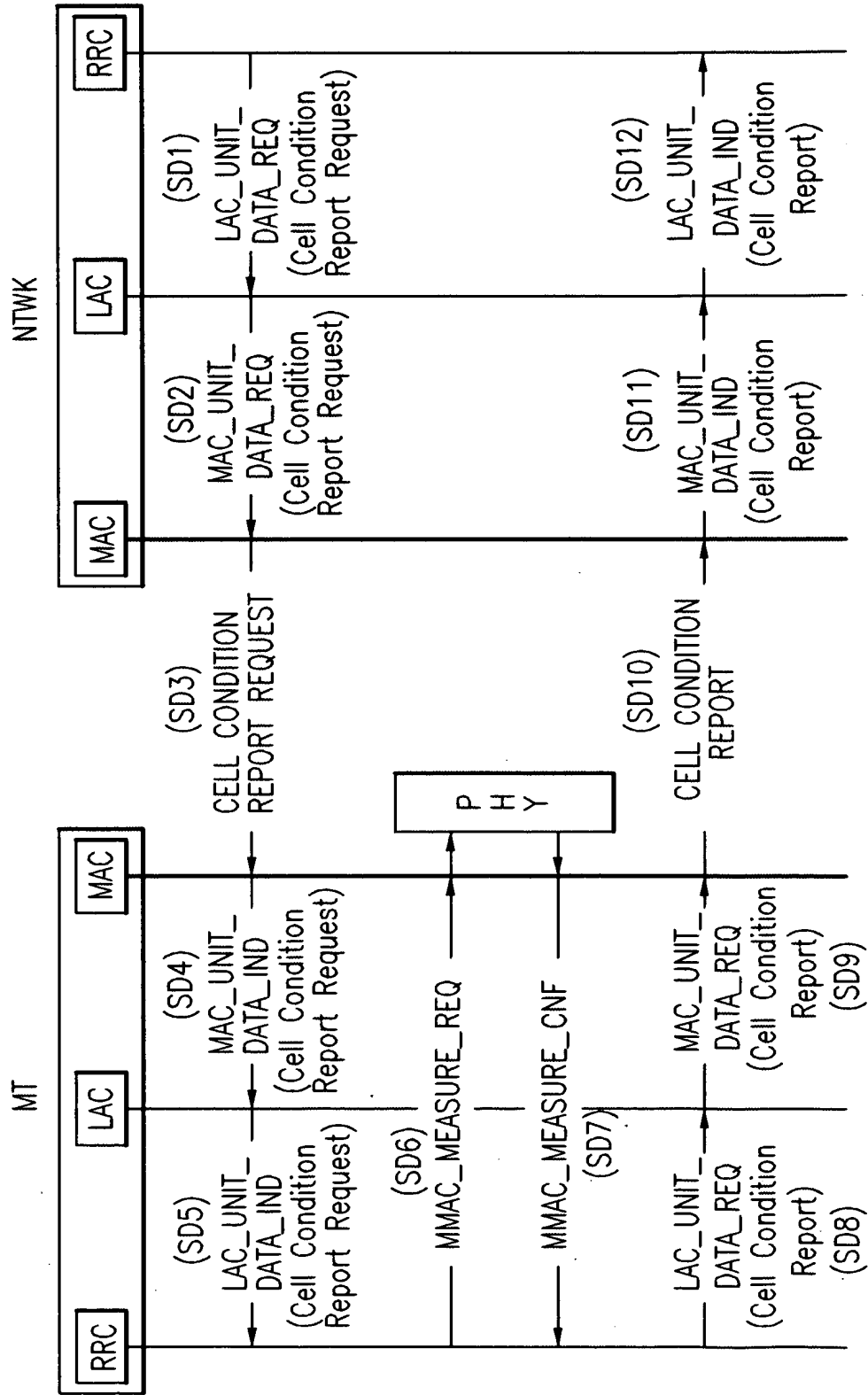
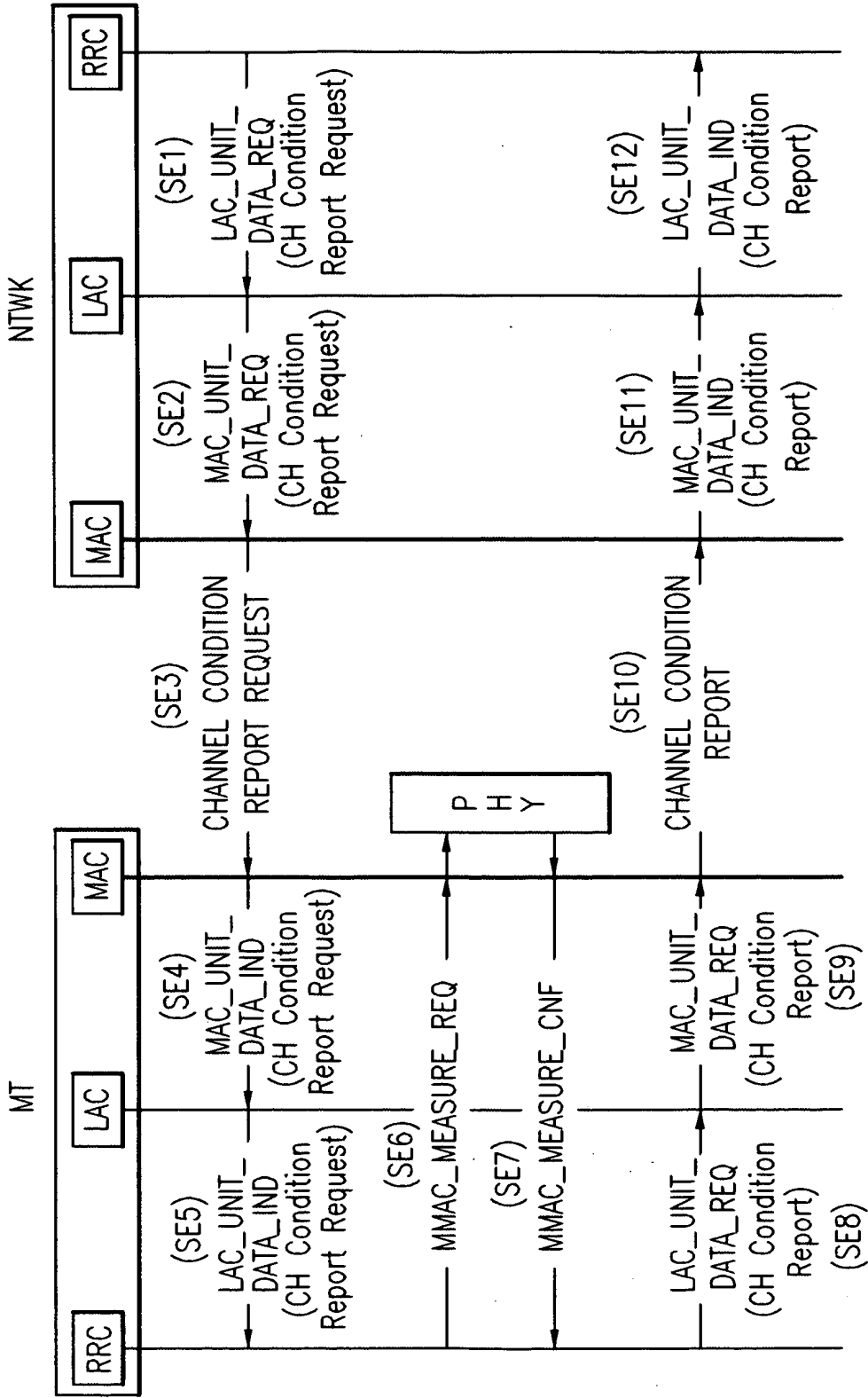


FIG. 7E





APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

FIG. 7G

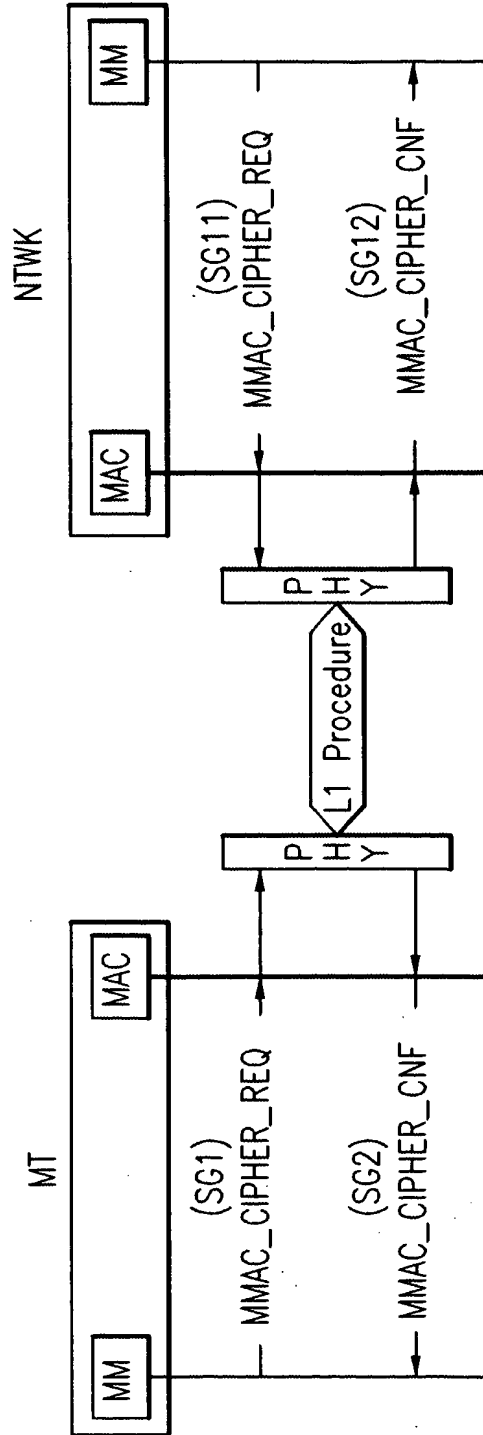


FIG. 7H

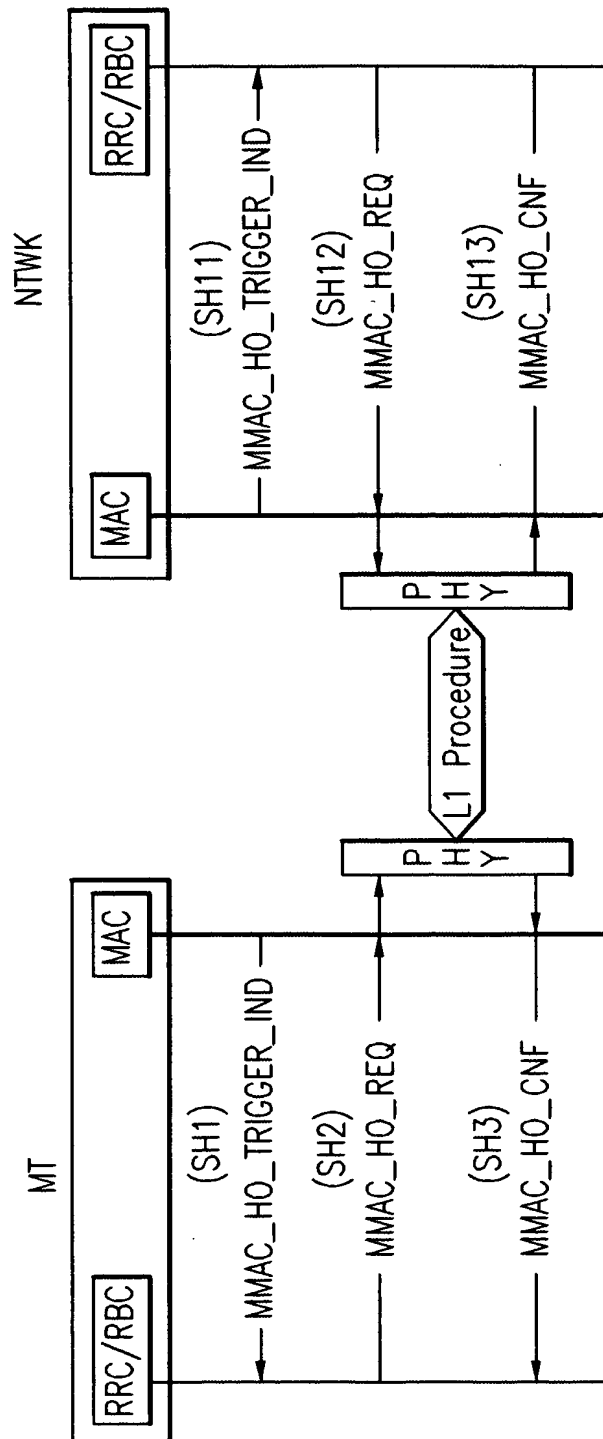




FIG. 7J

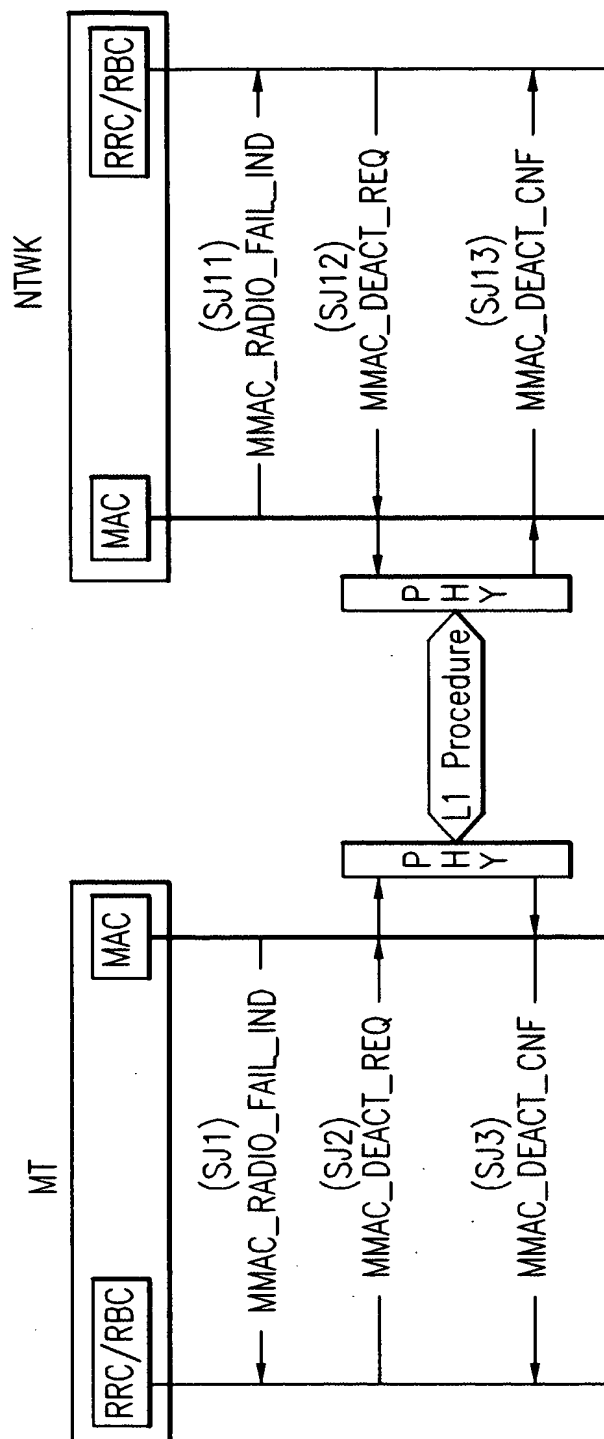




FIG.8

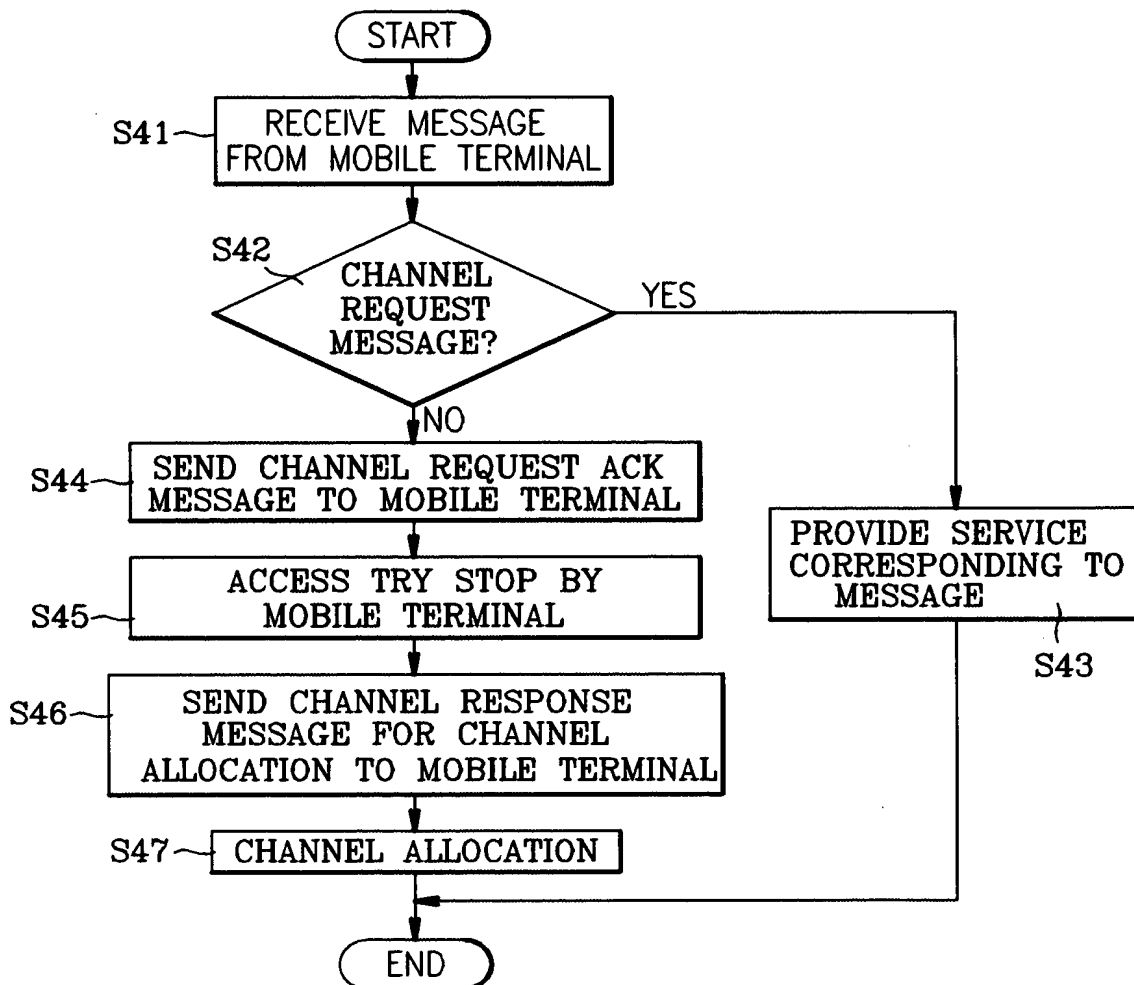


FIG.9

LOGICAL CHANNEL TYPE	MESSAGE	DIRECTION	REMARK
FORWARD ACCESS CHANNEL (FACH)	CHANNEL REQUEST ACK	NTWK → MT	FRAME Format A'
	CHANNEL RESPONSE	NTWK → MT	FRAME Format A'B
REVERSE ACCESS CHANNEL (RACH)	CHANNEL REQUEST	MT → NTWK	FRAME Format A

APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

FIG.10

8	7	6	5	4	3	2	1	
X	X	X	X	X	-	-	-	FORWARD ACCESS CHANNEL ASSOCIATED MESSAGE
					0	0	1	-CHANNEL REQUEST ACK
					0	1	0	-CHANNEL RESPONSE
X	X	X	X	X	-	-	-	REVERSE ACCESS CHANNEL ASSOCIATED MESSAGE
					0	0	0	-CHANNEL REQUEST

FIG.11

INFORMATION ELEMENT OF MAC		REMARK
Establishment Cause		3 bits
Random Reference		5 bits
PAGING CH NUM		4 bits
PAGING SLOT NUM		4 bits

60400" 6454200

APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

FIG.12

8	7	6	5	4	3	2	1	
0	0	0	X	X	X	X	X	-location updating
0	0	1	X	X	X	X	X	-answer to paging
0	1	0	X	X	X	X	X	-originating call
0	1	1	X	X	X	X	X	-call re-establishment
1	0	0	X	X	X	X	X	-emergency call

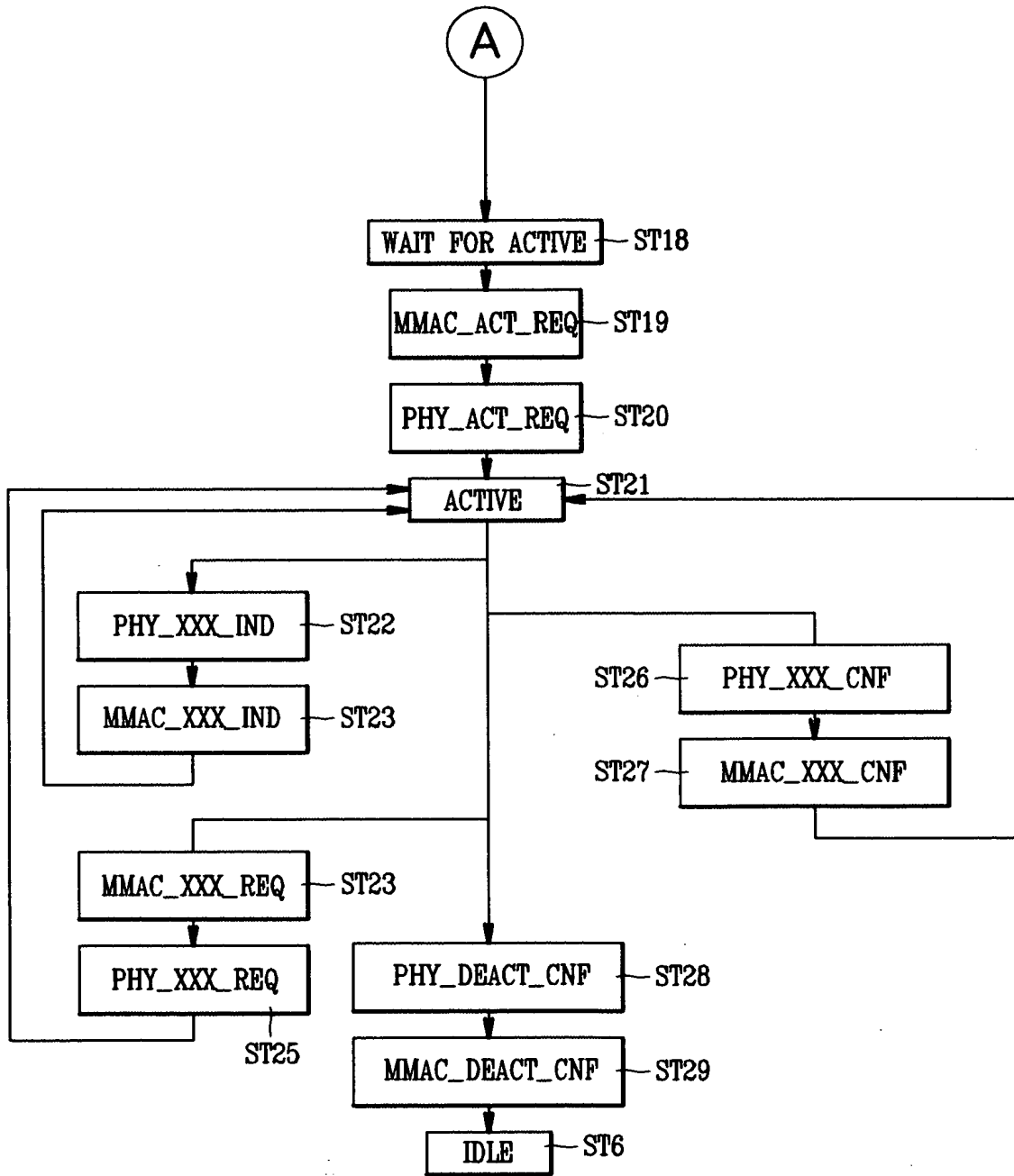
FIG.13

8	7	6	5	4	3	2	1	
x	x	x	x	0	0	0	0	-non-slot mode paging
x	x	x	x	0	0	0	1	-paging1
x	x	x	x	0	0	1	0	-paging2
x	x	x	x	0	0	1	1	-paging3
x	x	x	x	0	1	0	0	-paging4
x	x	x	x	0	1	0	1	-paging5
x	x	x	x	0	1	1	0	-paging6
								.....
x	x	x	x	1	1	1	1	-paging15

66440" 6754660



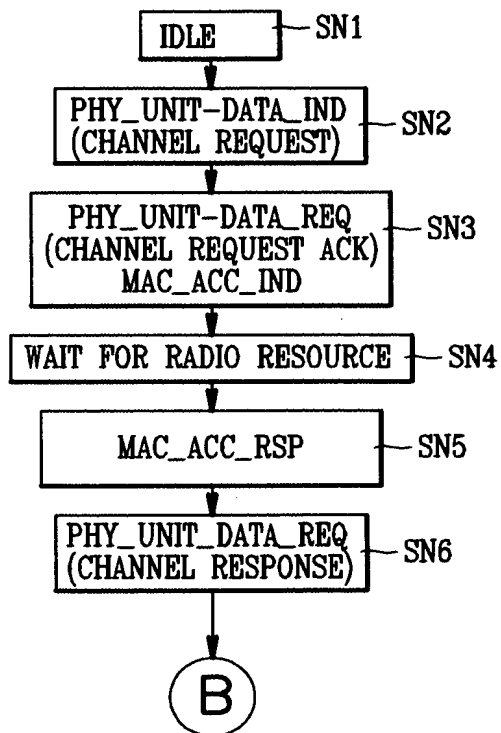
APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		



6670 ST2620

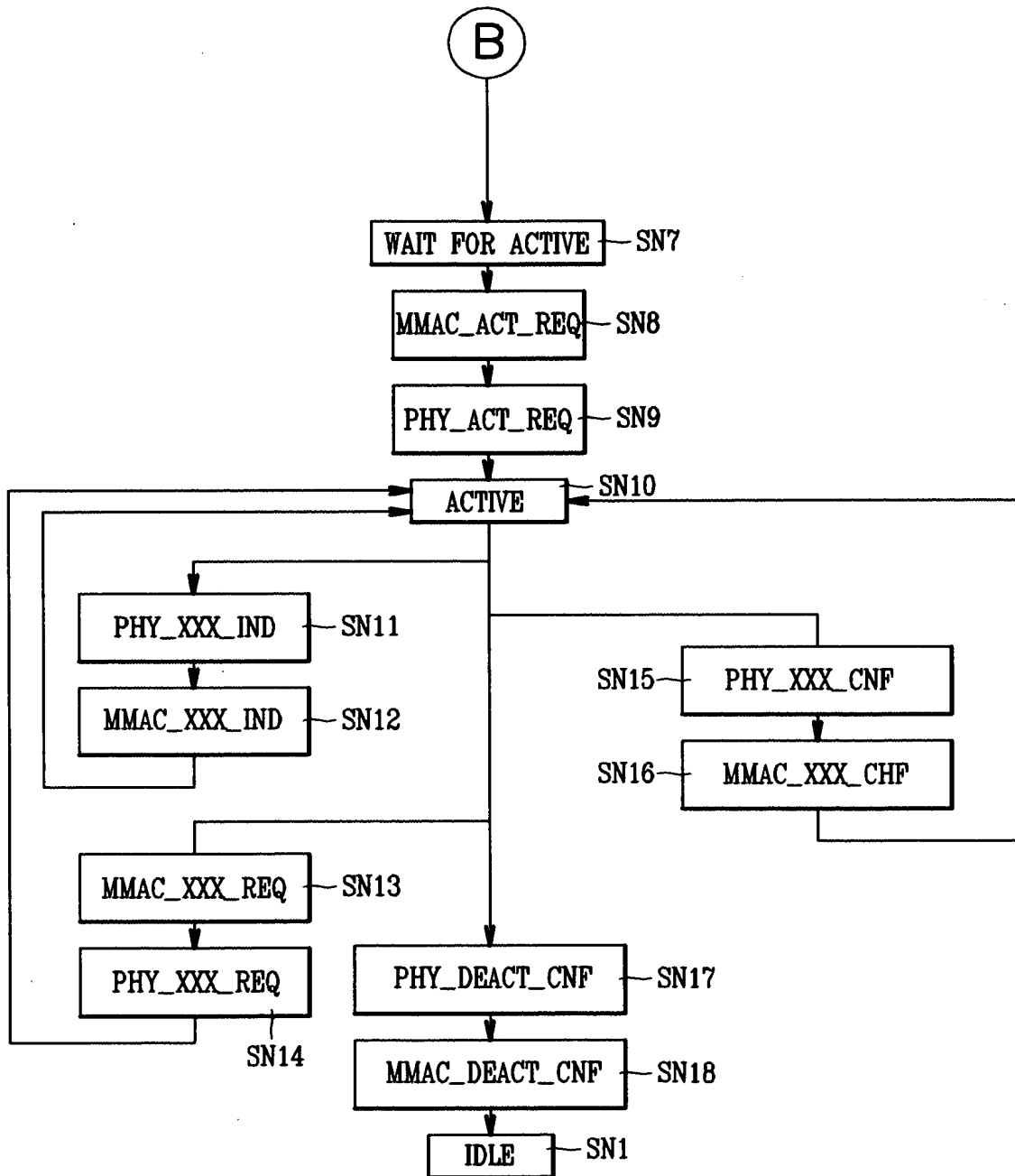
APPROVED.	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

FIG.15



607510-6T54E260

APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		



604210-8154260